

Dissertation: "Influence of Mechanical Actions and Heat on the Formation of Leather Parts of Shoe Bottoms." Cand Tech Sci, Moscow Technological Inst of Light Industry imeni L. M. Kaganovich, 13 Apr 54. (Vechernyaya Moskva, Moscow, 2 Apr 54)

SO: SJM 243, 19 Oct 1954

KAPUSTIN, I.I.; BOL'SHAKOV, P.A.

Basic problems in the press molding of footwear parts. Leg.prom.
16 no.4:29-32 Ap '56. (MLRA 9:8)

(Shoe industry)

SOLOV'YEV, N.S.; BOL'SHAKOV, P.A.

Time has come to improve the technology of dehairing and liming
of chrome leather for shoe uppers. Kozh.-obuv. prom. 7 no.6:
15-23 Je '65.
(MIRA 18:8)

SOLOV'YEV, N.S.; BOL'SHAKOV, P.A.

Mechanical technology of leather. Kozh.-obuv. prom. 6
no.4:18-23 Ap'64. (MIRA 17:5)

MAYZEL', M.M.; BOL'SHAKOV, P.A., kand. tekhn. nauk, reitsenent

[Fundamentals of the automation of production processes in industry] Osnovy avtomatizatsii proizvodstvennykh protsessov v legkoi promyshlennosti. Moskva, Izd-vo "Mashinostroyeniye" 1964. 322 p. (MIRA 17:8)

BOLE'SHAKOV, P. F.

Results of checking on recovery from syphilis. Vest.ven. 1 derm.
no.2:55 Mr-Apr '55. (MLRA 8:5)

(SYPHILIS)

BOL'SHAKOV, P.M., Cand Geol-Min Sci --(diss)" Hydrogeological
conditions of the ^{region} ~~region~~ of Kelanguysk fluorite deposit of Eastern
Zabaykal'ye, and ^{peculiarities} ~~the characteristics~~ of the regime of subter-
ranean waters ^{under} ~~upon~~ mine drainage." Irkutsk, 1958. 32 pp
(Min of Higher Education USSR. Pos Order of Lenin and Order of
Labor Red Banner State Univ M.V. Lomonosov. Geol Faculty.
Chair of Hydrogeology. Irkutsk Mining ~~and~~ Metallurgical Inst),
150 copies (ML, 29-59, 126)

-12-

BOL'SHAKOV, P.M., st. преподаvatel'

Special characteristics of water inflow in mines of fluorite
deposit mining in Siberia. Nauch. dokl. vys. shkoly; gor. delo
no.1:51-64 '58. (MIRA 11:6)

1. Predstavlena kafedroy obshchey geologii Irkutskogo gorno-
metallurgicheskogo instituta.
(Fluorite) (Mining engineering) (Water, Underground)

Don Shraw, F. R. S., Engineer

"Sources of Electric Power" a chapter in the book Radio and Electronics and Their Technical Applications, by A. I. Berg, et al. Moscow, 1956.

Summary of chapter 1071291

COMMON ELEMENTS																											COMMON VARIABLES INDEX																										
BOLSHAKOV, P. YE.																											A-1																										
BC																																																					
Liquid vapour equilibrium in the system ammonia-methane-nitrogen at high pressures. P. R. Bolshakov and P. S. Lebedeva (<i>Likvidatsionn. i. R.S.S.</i> , 1940, 12, 501-512).																																																					
Equilibrium compositions of liquid and vapour in NH ₃ -CH ₄ -N ₂ mixtures (N ₂ :CH ₄ =1:4) were determined at -20°, 0°, 25°, and 50° over the pressure range 50-500 atm. From the experimental data the solubility of pure CH ₄ in liquid NH ₃ is calc. The electrostatic theory of solutions (cf. Eyring, Chavkin and Chazanova, A., 1939, I, 805) is used to calculate the content of NH ₃ in compressed CH ₄ over the same temp. and pressure range.																																																					
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																											E-2																										
BOLSHAKOV, P. YE.																											BOLSHAKOV, P. YE.																										
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BOL'SHAKOV, P. Ye.: LEBEDEVA, Ye. S.

Moscow

Nitrogen Institute, Moscow, (-1939-).

"The Liquid-Vapor Equilibrium in the System Ammonia-Methane--Nitrogen under High Pressure."

Zhur. Fiz. Khim., Vol. 14, No. 2, 1940

BOL'SHAKOV, P. Ye.; EPENMAN, A. I.

MOSCOW

Scientific-Research Institute for Nitrogen, Moscow, (-1940-).

"The Compressibility of Ternary Mixtures of Hydrogen-Nitrogen-Methane under High Pressures"
Zhur. Fiz. Khim., Vol. 14, No. 3, 1940.

BOLESHAKOV, P.Ye.

A 1

Heterogeneous equilibria in the ammonia-nitrogen system at high pressures. I. Kritchevski and P. Boleshakov (*Acta Physicochim. U.R.S.S.*, 1941, 14, 353—364).—In the system $\text{NH}_3\text{--N}_2$ there is a two-phase region at temp. $>90^\circ$ and at pressures >1500 kg. per sq. cm. The crit. point is at $85\text{--}87^\circ$ vol.-% NH_3 , and is 1500 kg. per sq. cm. at 90° and 3500 kg. per sq. cm. at 125° . The crit. curve, starting from the val. for pure NH_3 , tends towards lower temp. at first but reaches a min. at $85\text{--}90^\circ$ and subsequently rises. The system shows a barotropic phenomenon: e.g., at 90° and <1800 kg. per sq. cm. the phase rich in NH_3 is the denser, but at >1800 kg. per sq. cm. it is the lighter. The possibility of limited mutual solubility in gases is discussed thermodynamically. F. J. G.

1ST AND 2ND CATEGORIES										3RD AND 4TH CATEGORIES									
GOLSHAKOV, P. F. ca										PROCESSES AND PROPERTIES INDEX Thermodynamic properties of N at pressures from 1000 to 6000 atmospheres. P. E. Golshakov. <i>J. Phys. Chem. (U.S.S.R.)</i> 16, 121-30 (1949). Exptl. data of Benedict (C.A. 53, 1154) on the vol., temp. and pressure relations of N gas at pressures from 1000 to 6000 atm., and temps. from -75 to 210° are used to calc. the vapor pressure, $(\partial V/\partial T)_p$, $(\partial V/\partial P)_T$, ΔC_p, C_p, C_v, the Joule-Thomson coeff. μ, entropy, heat content and internal energy. The values obtained are in good agreement with the calcd. theoretical values of Michels and Wouters (C.A. 50, 7018). P. H. Rathmann									
ASB-5.1.A METALLURGICAL LITERATURE CLASSIFICATION																			
FROM SYNONYM										TO SYNONYM									
SYNONYM										SYNONYM									

BOLSHAKOV, P.YE.

Partial molal volume, fugacity, and activity coefficients of nitrogen and hydrogen in their mixture at high pressures. P. B. Bolshakov (Nitrogen Inst., Moscow). *Acta Physicochem., U.R.S.S.* 20, 259-67 (1946). -- Molal vol., fugacity, and activity coeffs. were calcd. from available P - V - T data at pressures up to 1000 atm. and temp. 0°-200°. The results are tabulated. The Lewis-Randall rule for fugacities holds well at 200°. S. Pakswier

RODNEY, P. M., and LEVCHUK, S. P.

"Surface Tension at the Boundary Liquid-Gas at High Pressures," Tr. Sov. n. -i. i projekts. in-bi azot, p. 1, 1952 (1953), p. 30-42

Method and equipment used are described. The surface tension of water, methanol, benzene, lubricants, liquid ammonium, and of other liquids was measured in presence of various gases at pressures from 1 to 800 atm. (RSLFiz, No 7, 1954) St: Sov.No. 715, 7 Nov 55

BOISHEV, P. No.

"Measurement of Surface Tension of Liquids in Presence of Compressed Gases," Tr. Vses. -i. i. Proyekt. in-ta azot. prom-sti, No 1, 1952. (1953), pp 43-46

The angles at the edge of drops of studied liquids on the body's surface were measured in presence of a compressed gas. The moisture capacity of chromium nickel, pure and cast iron, bronze, steels EZh-2, MIAIT, Ct4 and paraffin wetted by water, acetone, lubricant IL-3 at 25°C in presence of nitrogen and hydrogen compressed up to 40 atm, or carbonic acid compressed up to 60 atm was tested. (EZhMia, No 7, 1955) SC: Sov.No. 713, 9 Nov 55

Bol'shakov, Y. F.

2.04. ENTROPY-TEMPERATURE DIAGRAMS FOR HYDROGEN, NITROGEN, CARBON
MONOXIDE, ETHANE, ETHYLENE. Bol'shakov, Y. F., Oskanov, D. M.,
LITSENKO, G. G., KUZNEKOV, N. N. and ISKIN, G. S. (Trud. Gos. nauch.-issled.
proekt. inst. Azot. Prom. (Proc. Inst. Nitrogen Ind., U.S.S.R.), 1952, (1), 67-
71; abstr. in Chem. Abstr., 1955, vol. 50, 14293). Temperature-entropy
diagrams constructed for the following temperature ranges and pressures are set
forth: hydrogen from -260 to +500° and from 0.2 to 1200 atm; nitrogen from
-190 to +600° and from 1 to 6000 atm; carbon monoxide from -190 to +500° and
from 1 to 1200 atm; ethane from -100 to +260° and from 0.75 to 100 atm;
ethylene from -110 to +200° and from 1 to 3000 atm. The entropy and heat
content of 1 kg gas at 0° and 1 atm pressure are taken as the zero reading
for entropy and heat content.

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Chem

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BOL'SHAKOV, P. S.

Distr: hElj

27 4
Solubility of a 1:3 nitrogen-hydrogen mixture in liquid ammonia at high pressures: P. S. Bol'shakov. *Trudy Nauch.-Issledovatel. Proekt. Inst. Fiz. Prikl. 1954, No. 4, 12-17; Referat. Zhur., Khim. 1956, Abstr. No. 15578.*—The soly. of H and of N (mixed in a proportion 1:3) in liquid NH_3 was investigated at 10, 0, 25, and 50° and pressures from 150 to 800 atm., and the compn. of the gas phase over the soln. (without NH_3) was detd. Data obtained agree well with the previously published analytical equation for solns. of nonelectrolytes (equations II — 17a and II — 17b in the book: I. R. Krichelskii, *Phase Equilibrium in Solutions Under High Pressure*, 1952, 2d ed. (C.A. 48, 11176c). J. Mloszewska

LEVCHENKO, G.T., kand.khim.nauk; BOL'SHAKOV, P.Ye.

Applying Antonov's rule to the system liquid - gas under high
pressure. Part 5. Trudy GIAP no.7:38-41 '57. (MIRA 12:9)
(Surface tension) (Phase rule and equilibrium)

OGLOBLIN, A.N.; MURASHKIN, L.S., kandidat tekhnicheskikh nauk, dotsent, retsenzent; GLAZOV, G.A., inzhener; redaktor; BOL'SHAKOV, S.A., inzhener, glavnyy redaktor Lenmashgiza; POL'SKAYA, R.G., tekhnicheskiiy redaktor.

[Milling machine operator's handbook] Spravochnik frezerovshchika. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1952. 368 p.
[Microfilm] (MLRA 7:10)
(Milling machines--Handbooks, manuals, etc.)

BOL'SHAKOV, S. A.

PHASE I BOOK EXPLOTATION

180

AUTHOR: See Table of Contents

TITLE: Theory and Design of Instrument-components in Precision Mechanics
(Teoriya i raschet elementov priborov tochnoy mekhaniki); Collect-
ed articles, Nr 22 (Sbornik statey, Vyp.22)

PUB.DATA: Gos. nauchno-tekhn. izd-vo Mashinostroitel'noy literatury,
Moscow-Leningrad, 1957, 168 pp. 6500 copies

ORIG. AGENCY: Leningradskiy institut tochnoy mekhaniki i optiki

EDITOR: Bogdanovich, M. M., Cand. of Tech. Science, Docent; Ed. In-Chief:
Bol'shakov S. A.; Ed. of Pub. House: Borodulina, I. A.; Tech.
Ed.: Sokolova, L. B.

PURPOSE: This collection is intended for engineer , technical and scientific
personnel working in the field of instrument manufacturing, It
may also be useful to students engaged in instrument-manufacturing
studies at institutions of higher education.

Card 1/5

Theory and Design of Instrument-components in Precision Mechanics (Cont.) 180

COVERAGE:

The following subjects are discussed: theory and precision of clock mechanisms and design of their component parts, such as conoids and elastic steel-band transmissions; determination of the line of action of forces acting on the specimen in tension and compression tests; screwed connections of machine parts; torque developed in a spherical gyroscope; graphic and analytical method for determining limits of changes of variable vector - components; determination of the relative position of links in three-dimensional link mechanisms.

TABLE OF CONTENTS:

1. Ananov, G. D., Candidate of Technical Sciences, Docent. Graphic and Analytical Method for Determining Limits of Changes of Variable Vector Components.

The author states that the problem of determining the maximum values of variable vector components was presented and solved by the design

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Card 2/5

Theory and Design of Instrument-components in Precision Mechanics (Cont.) 180

department of the Scientific Research Institute of the Ministry of the Shipbuilding Industry in cooperation with the Department of Theoretical Mechanics of the Leningrad Institute of Precision Mechanics and Optics.

2. Kislitsyn, S. G., Candidate of Physical and Mathematical Sciences, Docent, Determination of the Relative Position of Links in Three-dimensional Link Mechanisms

12

The author refers to his previous work (Ref. 1 and 2) connected with the determination of relative positions of links in three-dimensional link mechanisms using the principle of vector analysis, and discusses application of this method to more complex mechanisms.

3. Tartakovskiy, V. A., Doctor of Physical and Mathematical Sciences, Professor Gofman, S. I., Candidate of Technical Sciences, Docent. Accuracy of Elastic Steel Band Transmissions

19

The authors discuss the effect of the elastic bending of steel on the accuracy of steel band transmission.

4. Safonova, Ye. B., Candidate of Technical Sciences. Torque Developed in the Spherical Gyroscope

39

Card 3/5

Theory and Design of Instrument-components in Precision Mechanics (Cont.) 180

The author analyses forces and moments developed in the spherical gyroscope and gives the equations for their determination.

5. Riftin, L. P., Candidate of Technical Sciences, Docent. Conoids: Kinematics and Selection. 55
The author discusses characteristics of conoids and their design for specific functions.
6. Kadykov, V. I., Candidate of Technical Sciences, Docent. Determination of the Line of Action of Forces Acting on the Specimen in Tension and Compression Tests. 82
The author discusses the effect of eccentric loading of the specimen in tension and compression tests on the determination of some mechanical properties of metals.
7. Goberman, P. N., Candidate of Technical Sciences, Docent, Relative Positions of Screwed Connections of Machine Parts 97
The author points out that in many types of screwed connections the parts should have definite relative positions.

Card 4/5

Theory and Design of Instrument-components in Precision Mechanics (Cont.) 180

8. Aksel'rod, Z. M., Candidate of Technical Sciences, Docent. Theoretical and Experimental Investigation of Clock Mechanisms With Forced Movement and Small Oscillation Period of the Balance Wheel 106

The author derives and analyses the principle equations for determining the effect of actuating moment on the period and amplitude of balance wheel in clock mechanisms.

9. Aksel'rod, Z. M. Stabilization of the Oscillation Period of a Balance Wheel Connected with the Movement Mechanism by Means of a Hair Spring Having a Non-linear Restoring Moment 127

The author discusses the effect of non-linearity of the hair spring restoring moment on the characteristics of a regulating mechanism equipped with free movement of the tie bar.

10. Aksel'rod, Z. M. Chronometer Impulse Stabilizers 154

The author points out imperfections of existing mechanical chronometers and discusses some more accurate types.

AVAILABLE: Library of Congress

Card 5/5

GO/gmp

May 21, 1958

BOL'SHAKOV, Sergey Anisimovich; CHERVOVA, M.S., red.; LIVSHITS, D.A.,
tekhn.red.

[Machining on lathes] Tokarnye raboty. Leningrad, Lenizdat,
1957. 197 p. (MIRA 13:3)
(Turning)

PODPORKIN, Viktor Grigor'yevich; BOL'SHAKOV, Sergey Anisimovich; VUL'F, A.M., kand.tekhn.nauk, dots., retsenzent; ANSEROV, M.A., kand. tekhn.nauk, dotsent, red.; REZNITSKIY, L.M., kand.tekhn.nauk, red.; BORODULINA, I.A., red.isd-va; POL'SKAYA, R.G., tekhn.red.

[Cutting tools and metal machining] Tochenie metallov i reziny. Pod.red. M.A.Anserova. Izd.2., dop. i perer. Moskva, Gos.nauchno-tekhn.isd-vo mashinostroit.lit-ry, 1958. 145 p. (Bibliotekha tokaria - novatora, no.2) (MIRA 12:3)
(Cutting tools) (Turning)

BOL'SHAKOV, S. I.

9N/5
723
.T8

TRULEVICH, VLADIMIR KONSTANTINOVICH OVOSHCHEVODSTVO NA KRAYNEM
SEVERE (VEGETABLE GARDENING IN THE FAR NORTH, BY) V. K. TRULEVICH,
F. F. TUL'ZHENKOVA, (1) S. I. BOL'SHAKOV. MOSKVA, SEL'KHOZGIZ, 1956.

293 P. ILLUS., DIAGRS., TABLES.

BOL'SHAKOV, S. K.

USSR / Farm Animals. Poultry.

Q-5

Abs Jour : R_ef Zhur - Biol., No 10, 1958, No 45280

Author : Bol'shakov, S. K.

Inst : Not given

Title : The Postembryonic Bone Formation of the Skeletal Framework in Poultry.

Orig Pub : Tr. Kubansk. s.-kh. in-ta, 1957, vyp. 3(31), 40-44

Abstract : The intensiveness of the ossification of the different parts of the skeletal framework was studied on hens of the White Russian breed, Pekin ducks, Kuban' geese and Brown turkey-hens. It was found that the neck and tail parts of the backbone, as well as the limbs, ossify most rapidly. In hens, ducks and geese, most of the elements of the skeleton ossify completely at 3 months of age, and in turkey-hens at the age of 4 and even of 5 months.

Card 1/1

2198. Coring drill for obtaining uniform samples of formation from wells. S. M. Bolshakov and R. Platkiewicz. *Nefte* (Krasov), 1958, 12, 246-7.—Bolshakov designed a sampler which is here described with a diagram. It is claimed that water content of the sample is preserved. M. S.

2

BOL'SHAKOV, S.M.

Core lifter for obtaining core samples. Razved.i okh.nedr 22
no.2:56-57 F '56. (MIRA 9:6)
(Boring machinery)

BOL'SHAKOV, S.M., inzh.

Engineering structures on rivers covered with overlaid ice
and in permafrost areas. Transp.stroi. 10 no.3:44-46
Mr '60. (MIRA 13:6)
(Bridges--Construction) (Frozen ground)

BOL'SHAKOV, S.M.

Landslides of the Tumanshet slope on the Abakan-Tayshet
Railroad Line. Transp. stroi. 15 no.6:37-39 Je '65.

1. Glavnyy geolog Tomgiprotransa.

(MIRA 18:12)

BOL'SHAKOV, S.M., inzh.- geolog

Measures for the control of ice formation on the Taishet- Lena
railroad line. Trudy NIIZHT no. 22:99-114 '61. (MIRA 19:1)

GORNSHTEYN, A., inzh.; BOL'SHAKOV, V., inzh.

Efficient implements for mounting large-panel partitions.

Na stroi. Mosk. 1 no.8:17-19 Ag '58.

(Walls) (Building--Tools and implements)

(MIRA 11:10)

BOL'SHAKOV, V., inzh.

Box for storing panels. Na stroi. Mosk. 2 no.12:24 D '59 (MIRA 13:3)
(Concrete slabs--Storage)

BOL'SHAKOV, V., inzh.-konstruktor

Petrified state standards. Izobr.i rats. no.2:13 7 '60.

(MIRA 13:8)

(Standards, Engineering)

BOL'SHAKOV, V.

Soviet Union helps friendly nations to industrialize. Vnesh.torg.
42 no.1:11-17 '62. (MIRA 15:1)
(India--Technical assistance, Russian)

BOL'SHAKOV, V., starshiy nauchnyy sotrudnik

Using motor fuel in marine diesel engines. Mor. flot 25 no.8:25-
26 Ag '65. (MIRA 18:8)

1. Tsentral'nyy nauchno-issledovatel'skiy institut morskogo flota,
Leningrad.

BOL'SHAKOV, V., starshiy nauchnyy sotrudnik

Effect of the quality of fuel on the wear and performance
of fuel injectors. Mor. flot 25 no.10:27-28 0 '65.

(MIRA 18:11)

1. TSentral'nyy nauchno-issledovatel'skiy institut morskogo
flota.

ALEKSANDROV, V.; BOL'SHAKOV, V., starshiy nauchnyy sotrudnik

Indicator for measuring nozzle apertures. Mor.flot 25
no.6:33 J1 '65. (MIRA 19:1)

1. Starshiy mekhanik dizel'noy laboratorii TSentral'nogo
nauchno-issledovatel'skogo instituta Morskogo flota (for
Aleksandrov). 2. TSentral'nyy nauchno-issledovatel'skiy
institut Morskogo flota (for Bol'shakov).

1.10116-66

ACC NR: AP6019441

(N)

SOURCE CODE: UR/0308/66/000/002/0028/0029

AUTHOR: Bol'shakov, V. (Senior research associate)

32
B

ORG: TsNIIEF

TITLE: Operation of low-speed diesel on fuels of higher viscosity

SOURCE: Morskoy flot, no. 2, 1966, 28-29

TOPIC TAGS: diesel engine, diesel fuel / 6DKRN76-155 diesel engine, DT-1 diesel fuel

ABSTRACT: The experiments with using less expensive fuel of higher viscosity for operation of 6DKRN76/155 diesel engine of motorship "Krasnograd" are described. The engine is of a low-speed, turbosupercharged, two-cycle type. The experiments were conducted on motor fuel of DT-1 type and on two benzine free oil fuels of high viscosity. The data on density, viscosity, coking capacity, ignition and congealing temperatures, heat value and various impurity contents are summed up in a table for three types of fuel. A series of experimental curves shows the deviations of inlet parameters of DT-1 and benzine-free oils from those of regular diesel oil. The effect of viscosity on injection

Card 1/2

UDC: 621.431.74:662.75.001.5

AP6019441

and delay angle is examined and illustrated by deviation curves. In general, the consumption of oils of higher viscosity is somewhat greater than of diesel oil at the same speed. The indicated specific fuel consumption for DT-1 oil is 137 g/hp. hr and for benzine-free oil it is 140. It is concluded, that the fuels of higher viscosity can be reliably and safely used for marine low-speed diesel engines. Orig. art. has: 1 table, 2 graphs.

SUB CODE: 21/ SUBM DATE: None

Card

2/2 *pla*

--- Kharov, V. A.

BOL'SHAKOV, V. A. - "Investigation of the Carrying Capacity of Small Bridges Located Below the Spillway Water Level." Min of Higher Education USSR, Kiev, Automobile and Highway Inst, Kiev, 1955 (Dissertations For Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

SOV/124-58-4-4125

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 4, p 63 (USSR)

AUTHOR: Bol'shakov, V. A.

TITLE: Hydraulic Calculation of Spillway Bridges (Gidravlicheskiy raschet vodoslivnykh mostov)

PERIODICAL: Tr. Kiyevsk. avtomob. dor. in-ta, 1957, Nr 3, pp 163-167

ABSTRACT: By "spillway bridge" the author designates a hydraulic installation consisting of a spillway dam and a bridge located directly below it. The article offers a method of hydraulic calculation of such an installation under conditions where the tailwater level does not influence the current under the bridge; the author considers the purpose of the problem of such a calculation as being "the determination of the spans of the bridge and of the dam if they are not equal and of the required type of the surface protection of the channel under the bridge corresponding to the maximal velocity of the current within the installation." The solution is based upon the usually accepted hydraulic formulae with the application of coefficients defined by special experiments with a specific dam profile and a specific geometric relationship between the dam and the bridge. V. S. Muromov

1. Bridges--Design 2. Water--Control 3. Mathematics

Card 1/1

BOL'SHAKOV, V.A.; STOILOV, G.P.

Extraction of available molybdenum from soils and its determination
by the polarographic method. Pochvovedenie no.5:95-101 My '64.
(MIRA 17:9)

1. Moskovskiy gosudarstvennyy universitet.

BOL'SHAKOV, V.A.

Polarographic determination of the available manganese in soil. Poch-
vovedenie no.9:107-109 S '64. (MIRA 17:12)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova.

BOL'SHAKOV, V.A., tekhnik

Grab-jack. Energetik 13 no.10:26 0 '65.

(MIRA 18:10)

1. BOL'SHAKOV, V. A.
2. USSR (600)
4. Carbonates - Novotorzhok District
7. Report on the prospecting activities at the Novotorzhok deposits of carbonate minerals. (Abstract.) Izv. Glav. upr. geol. fon. no. 3, 1947.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

KOROBov, V., nachal'nik uchastka; TSYBA, F., nachal'nik uchastka;
BOL'SHAKOV, V. A.

Utilizing unexploited possibilities for profitable mining.
Mast.ugl. 3 no.1:19 Ja '54.

(MLRA 7:1)

1. Machinist kombayna shakhty No.19-20 kombinata Stalinugol'(for
Bol'shakov)
(Coal mines and mining)

BOL'SHAKOV, V.A., inzhener; MEYKLER, M.V., inzhener; NEKRASHENKO, P.N.,
inzhener.

Torch burners for pulverized coal. Elek.sta. 25 no.11:55-56 N '54.
(Burners) (Furnaces) (MIRA 7:11)

BOL'SHAKOV, V.A., tekhnik

Testing of a voltage indicator. *Energetik* 8 no.8;28-29 Ag '60.

(MIRA 13:10)

(Electric lines--Testing)

KRIVCHENKO, Yu.S., inzh.; SMOKTIY, V.V., inzh.; BOLISHAKOV, V.A., inzh.;
LEBEDEV, S.Ye., inzh.

Using steel scrap in the oxygen-blown converter process. Stal' 21
no.2:134-136 F '64. (MIRA 17:9)

1. Krivorozhskiy metallurgicheskiy zavod i Tsentral'nyy nauchno-
issledovatel'skiy institut chernoy metallurgii imeni I.P.Bardina.

SERVETNIK, V.M., inzh.; BOL'SHAKOV, V.A., inzh.

Efficient shape of risers for sheet ingots. Stal' 24 no.8:
702-703 Ag '64. (MIRA 17:9)

1. Ashinskiy metallurgicheskiy zavod.

GUL'YEV, G.F., inzh.; KRIVCHENKO, Yu.S., inzh.; BOL'SHAKOV, V.A., inzh.;
KUDRINA, A.P., inzh.; LEBEDEV, S.Ye., inzh.; CHIGRAY, I.D., inzh.;
SERVETNIK, V.M., inzh.

Converter smelting with partial use of tap cinder. Stal' 24
no.10:881-884 O '64.
(MIRA 17:12)

KRIVCHENKO, Yu.S.; BOL'SHAKOV, V.A.

Production of Bessemer steel with the use of final slag from
the previous melt. Met. i gornorud. prom. no.1:60-61 Ja-F '65.
(MIRA 18:3)

BOL'SHAKOV, Valeriy Alekseyevich, kand. tekhn. nauk; UGINCHUS,
A.A., doktor tekhn. nauk, prof., red.; ANDREYEV, O.V.,
red.

[Hydraulic engineering structures on automobile roads]
Gidrotekhnicheskie sooruzheniia na avtomobil'nykh dorogakh.
Moskva, Transport, 1965. 319 p. (MIRA 18:7)

BOL'SHAKOV, Valeriy Alekseyevich, kand. tekhn. nauk; GORELKIN, Anatoliy Vasil'yevich, kand. tekhn. nauk, dots.; KONSTANTINOV, Yuriy Mikhaylovich, inzh.; KRASNITSKIY, Mikhail Sergeyevich, kand. tekhn. nauk, dots.; POPOV, Vladimir Nikolayevich, kand. tekhn. nauk, dots.; Prini-mal uchastiye DENISENKO, I.D., inzh.; VISHNEVYY, V.V., red.

[Collection of problems in hydraulics] Sbornik zadach po gidravlike. [By] V.A.Bol'shakov i dr. Kiev, Budivel' k, 1964. 291 p.
MIRA 17 9

BOL'SHAKOV, V.D., dotsent, kand, tekhn. nauk

Relationship between errors in the elements of an extended triangle in a circular trilateration net. Izv. vys. ucheb. zav.; geod. i aerof. no.5:21-28 '63. (MIRA 17:8)

1. Moskovskiy institut inzhenerov geodezii, aerofotos"yemki i kartografii.

BOL'SHAKOV, V. D.

BOL'SHAKOV, V. D. -- "Investigation of the Precision of Surveying Relief in Connection with the Vertical Planning of the Flying Fields of Airports," Min Higher Education USSR. Moscow Inst of Engineers of Geodesy, Aerial Photography, and Cartography. Moscow, 1955. (Dissertation for the Degree of Candidate of Technical Sciences.)

SO: Knizhnaya Letopis', No 5, Moscow, Feb 1956

BOL'SHAKOV, V.D., inzhener.

Determining the clearance between electric transmission lines
and the water surface. Elek. sta. 27 no.2:51-52 P '56.
(Electric lines--Overhead) (MLRA 9:6)

BOL'SHAKOV, V.D., kandidat tekhnicheskikh nauk.

Method for determining the line of direction in laying out straight-line poles of transmission lines. Elek. sta 27 no.10:47-48 0 '56.
(Electric lines) (Surveying) (MLRA 9:12)

Bol'shakov, V.D.

BOL'SHAKOV, V.D., kand. tekhn. nauk.

Evaluating the degree of approximation of the real error distribution to the normal. Trudy MIIGAIK no.27:53-56 '57. (MIRA 11:1)

1. Kafedra geodezii Moskovskogo instituta inzhenerov geodezii, aerofotos"yemki i kartografii.

(Errors, Theory of)

BOL'SHAKOV, V.D.

Scientific-technical conference of the Moscow Institute of
Geodetic, Aerial Survey and Cartographic Engineers. Trudy MIIGAIK
no.29:159-160 '57. (MIRA 11:5)

1. Uchenyy sekretar' Nauchno-tekhnicheskoy konferentsii Moskovskogo
instituta inzhenerov geodezii, aerofotostroyeniya i kartografii.
(Geodesy) (Cartography)

3(2)

PHASE I BOOK EXPLOITATION

SOV/2152

Moscow. Institut inzhenerov geodezii, aerofotos^hyemki i kartografi

Trudy, vyp. 33 (Transactions of the Moscow Institute of Engineering Geodesy, Aerial Photography, and Cartography, Nr 33) Moscow, Geodezizdat, 1958. 123 p. 1,000 copies printed.

Editorial Board: A.I. Mazmishvili (Resp. Ed.), V.I. Avgeevich (Deputy Resp. Ed.), G.V. Bagratuni, N.Ya. Bobir, N.M. Volkov, A.I. Durnev, S.V. Yeliseyev, P.S. Zakatov, G.P. Levchuk, N.I. Modrinskiy, M.D. Solov'yev, B.V. Pefilov, and P.F. Shokin; Ed. of Publishing House: A.I. Inozemtseva; Tech. Ed.: V.V. Romanova.

PURPOSE: This issue of the Institute's Transactions is intended for geodesists, photogrammetrists, and cartographers.

COVERAGE: This collection of articles covers a variety of problems and questions of interest to personnel in the mapping field. Several instruments employed in cartography are investigated and evaluated. These include a photocartograph, the Photo Reductor MIIGAiK, and

Card 1/4

Transactions of the Moscow Institute (Cont.)

SOV/2152

marine chronometers. Other subjects treated include Stokes' formula, correction of instrumental errors, Dellen's Method, relief generalization, aerial camera orientation, and others. References accompany individual articles.

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PHASE I BOOK EXPLOITATION

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Moscow. Institut inzhenerov geodezii, aerofotos "yemki i kartografii

Trudy, vyp. 32 (Transactions of the Moscow Institute of Geodetic
Aerial Survey and Cartographic Engineers, Nr 32) Moscow,
Geodezizdat, 1958. 130 p. 1,000 copies printed.

Ed. of Publishing House: T. A. Shamarova; Tech. Ed.: V. V. Romanova;
Editorial Board: A. I. Mazmishvili (Resp. Ed.), V. I. Avgeevich
(Deputy Resp. Ed.), G. V. Bagratuni, N. Ya. Bobir, M. N. Voklov,
A. I. Durnev, S. V. Yeliseyev, P. S. Zakatov, G. P. Levchuk,
N. I. Modrinskiy, M. D. Solov'yev, B. V. Fefilov, and P. F. Shokin.

PURPOSE: This collection of articles is intended for geodesists,
photogrammetrists, and cartographers.

COVERAGE: This issue of the Institute's Transactions is composed of
articles on geodetic surveying, photogrammetry, cartography, and
geodesy. Surveying and geodesy are discussed in articles on
building line extensions, earthwork computations, precise trigono-

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Transactions (Cont.)

SOV/2065

metric leveling, latitude determination, solution of trigonometric equations, and the geodetic interference comparator. Articles on photogrammetry include the subheadings photo rectification, spatial triangulation, and photo interpretation. Articles in the fields of geography and cartography include: 1) hunters' maps of Czechoslovakia, 2) maps of the Trans-Oka Region of Moscow oblast' and 3) the distribution of lakes in the East European plains and the Kola-Karelian Massif. References accompany individual articles.

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AVAILABLE: Library of Congress		

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7-28-59

Card 4/4

AUTHOR: Bol'shakov, V. D., Candidate of Technical Sciences SOV/154-58-1-11/22

TITLE: The Method of Correlation in Estimating the Accuracy of Optical Range Finder Measurements (Primeneniye metoda korrelyatsii pri otsenke tochnosti svetodal'nomernykh izmereniy)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos'yemka, 1958, Nr 1, pp 87-96 (USSR)

ABSTRACT: This paper discusses the statistic analysis of errors in measuring lateral lengths with the optical range finder CBB -1 and methods for determining the factor of the influence of these errors on longitudinal displacement. There is also given an example of the computation of the mean longitudinal displacement square m_t , of the mean transversal displacement square m_u and of the mean deviation square of the point position M with consideration of the factor μ obtained (characterizes the accuracy of the lateral length measurements with an optical range-finder). There is also a brief account of the characteristics of the correlation method. This method was employed as mathematical basis for the analysis of the

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SOV/154-58-1-11/22
The Method of Correlation in Estimating the Accuracy of Optical Range Finder
Measurements

results obtained in testing the optical range-finder CBB-1
(developed by V. P. Vasil'yev and V. A. Velichko) in the years
1953 to 1955 (Ref 2). There are 8 tables and 4 references,
4 of which are Soviet.

ASSOCIATION: Moskovskiy institut inzhenerov geodezii, aerofotos"yemki i
kartografii
(Moscow Engineering Institute of Geodesy, Aerophotography
and Cartography)

Card 2/2

PODOBEDOV, N.S., dots.; SUKHOV, A.I., dots.; BOL'SHAKOV, V.D., kand. tekhn.
nauk.; PEKLISTOV, Ye.M., inzh.

Brief news. Izv. vys. ucheb. zav.; geol. i aerof. no. 2:107-
116 '58. (MIRA 11:8)

(Geodesy)

AUTHOR: Bol'shakov, V. D., Candidate of Technical Sciences SOV/154-58-2-16/22

TITLE: Scientific and Technical Conference of MIIGA i K (Nauchno-
tekhnicheskaya konferentsiya MIIGA i K) I

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i
aerofotos"yemka, 1958, Nr 2, pp 111-114 (USSR)

ABSTRACT: From April 24 to 26 a scientific and technical conference of
the MIIGA i K (Institute of Geodesy, Aerophotography, and
Cartography, Moscow) was held in Moscow. Furthermore, there
were four sections in operation: on geodesy, aerophotogeodesy,
cartography, and on the production of photogrammetrical instru-
ments. More than 500 delegates from 45 institutes took part in
the conference at which 28 lectures were given. 20 delegates
participated in the discussions. The opening speech was made by
the Director of the MIIGA i K, Professor P. S. Zakatov, Doctor
of Technical Sciences. The first paper read was that by A. I.
Ivanov on "The Fight Against Revisionism." A. I. Durnov, Pro-
fessor, Doctor of Technical Sciences, spoke on "The Setup and
the Levelling Principles of the Geodetic Basic Network of the
USSR." A. M. Virovets, Professor, read a paper on "The Elabora-

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Scientific and Technical Conference of MIIGA i K. I SOV/154-58-2-16/22

tion of Equiangular Coordinates in Some Kinds of Geodetical Networks (on the Basis of the Data Directly Measured in the Ellipsoid)." M. S. Murav'yev, Docent: "On a Bench Mark of Special Stability." V. G. Selikhanovich, Docent, Candidate of Technical Sciences: "The Life and Scientific Work of A. P. Bolotov." V. D. Bol'shakov: "Optical Measurements of Distances Under Precise Conditions." N. V. Yakovlev, Assistant: "On the Methodology of High-Precision Goniometry in First-Class Triangulations X." N. Ya. Bobir: "On the Problem of Determining Some Elements of Inner Orientation of Wide-Angle and Super-Wide Angle Aerial Cameras." A. K. Pevnev, Graduate Student: "On a Level Device With a Freely Suspended Reflector." A. S. Dimitriyev reported on "Geodesy and Cartography at the Beginning of the Soviet Rule." Ye. P. Arzhanov on "An Investigation of the Film Smoothing Device With Supporting Rollers." L. N. Vasil'yev, Graduate Student: "Stereocomparator With Electrical Corrections." V. Ya. Mikhaylov, Docent, Candidate of Technical Sciences: "On the Change of Scale of Aerial Photographs Resulting From Enlargement." P. V. Zakharov: "On the Distinctive Capabilities of Black-and-White and Color Photographs." Yu. N. Kuznetsov, Graduate Student: "The Elements of the Theory of a

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Scientific and Technical Conference of MIIGA i K. I SOV/154-58-2-16/22

New High-Speed Shutter." I. G. Sarkin, Professor: "The Present State of Physical-Mathematical Knowledge on the Precise Functioning of Measuring Tools." S. M. Golovin: "Speeding up and Improving the Production of Measuring Tools." L. A. Malkin, Docent, Candidate of Technical Sciences: "On Instruments for the Precise Measurement of Distances." V. S. Mikheychev, Assistant: "Field Tests With the Optical Range Finder CBB-1." V. S. Usov, Assistant: "On the Study of Inaccuracies in the Focussing Devices of Telescopes." N. M. Volkov, Professor, Doctor of Geographical Sciences: "Some Remarks on Engraving in the Production Process of Original Maps."

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SOV/154-58-2-17/22

AUTHOR: Bol'shakov, V. D., Candidate of Technical Sciences

TITLE: Scientific and Technical Conference of the MIIGA i K (Nauchno-
tekhnicheskaya konferentsiya MIIGA i K) II

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i
aerofotos"yemka, 1958, Nr 2, pp 114-115 (USSR)

ABSTRACT: G. A. Ginzburg, Docent, Candidate of Technical Sciences, spoke
on "The Relations Between Distortions in Cartographic Projec-
tions." L. A. Bogomolov, Candidate of Technical Sciences, re-
ported on "Topographical Deciphering From the Airplane and
Helicopter of Aerial Photographs in Cartographing Inaccessible
Regions." A. S. Tolstoukhov, Assistant, spoke on: "The Relief
Reproduction of Planes on Topographical Maps (Scale
1 : 10 000 000)." G. D. Rikhter, Professor, Doctor of Geograph-
ical Sciences, dealt with the basic geographic structure of
Antarctica and the consequent cartographical peculiarities of
the region.
Engineer Ye. M. Feklistov reported on the conference held in the
MIIGA i K (Moscow Engineering Institute of Geodesy, Aero-
photography, and Cartography) from May 6 to 10. The partici-

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Scientific and Technical Conference of the MIIGA i K. II SOV/154-58-2-17/22

pants discussed various questions in relation with the design of geodetical and cartographical instruments. More than 300 delegates from many universities and scientific institutions, as well as 82 representatives of different agencies in Leningrad, Kiyev, Sverdlovsk, and other cities, participated in this conference. The Deputy Head of the GUGK, M. D. Kon'shin, read a paper on "Scientific Research in Aerial Camera Design." S. V. Yelisseyev, Docent, reported on "The Present State of Production of Geodetical Instruments, and Development of New Instruments." F. V. Drobyshev, Professor, gave a lecture on the construction of photogrammetrical instruments in the USSR and on developments in this field. In the different sections questions relating to the design of geodetical and photogrammetrical instruments as well as instruments for aerial photography were discussed. Docent S. V. Yelisseyev and Engineer Ye. T. Zdobnikov reported on geodetic anglemeasuring instruments. Engineer A. V. Meshcheryakov dealt with the new Marksheyder-instruments. V. M. Nazarov, Candidate of Technical Sciences, reported on optical range finders of greater precision, V. A. Velichko, Candidate of Technical Sciences, on optical range finders of medium accuracy. Engineer I. I. Andrianova and Yu. P. Popov, Candidate of

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Scientific and Technical Conference of the MIIGA i K. II SOV/154-58-2-17/22

Physical-Mathematical Sciences, spoke on modulators of optical range finders. Engineer L. V. Rabinovich spoke on the use of light alloys in the manufacture of geodetical instruments. Docent S. M. Muravyev and Engineer V. K. Sayenko reported on new developments in the production of geodetical instruments. Professor D. Yu. Gal'perin dealt with the optical systems in geodetical instruments. Engineer A. N. Burago, Engineer B. A. Shilin, Docent V. A. Krumelis, Docent I. N. Firson, and Engineer A. V. Ushakov informed the participants on the results of the Scientific and Technical Conference held in Kiyev (Planning and Production of Geodetical Instruments).

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3(4)

AUTHOR:

Bol'shakov, V. D., Candidate of Technical Sciences

SOV/154-58-6-5/22

TITLE:

Optical Measuring of Distances Under Night Conditions (Opticheskoye izmereniye rasstoyaniy v nochnykh usloviyakh)

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"yemka, 1958, Nr 6, pp 27 - 37 (USSR)

ABSTRACT:

In summer 1956, the author tested the double-image range finder DDI-2 developed by Docent B. A. Litvinov. This apparatus essentially shows the principal scheme of the range finder DNB by Belitsin but has a number of differences in the construction of the sights and the distance lath. 1) In the DDI-2 there is no biprism and no slit-shaped diaphragm slit. 2) The left and right marks, which correspond to the lath bases of 1.2 and 0.6 m, lie asymmetric with respect to the longitudinal axis of the lath. 3) In the attached device, compensators are used which effect the coinciding of the mark images twice as quickly as the compensators used in the DNB. 4) With the DDI-2, distances can be measured by day as well as at night. At night, distances of 60-1000 m can be measured.

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Optical Measuring of Distances Under Night Conditions

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The construction of this range finder and the main results of the test carried on at night are given here. 1) The absence of the biprism and of the slit-shaped diaphragm permits to use the attached device of this apparatus with practically any theodolite with a tube of about the same length as the tube of the theodolite OTS. In this case the cross wire in the theodolite telescope need not be replaced by the biprism, and the slit-shaped diaphragm need not be attached to the eyepiece. 2) The asymmetrical arrangement of the distance lath marks, rendering possible the discarding of biprism and slit-shaped diaphragm offers easy working at night by eliminating the light spots. 3) The presence of two light rays on each lath mark of the DDI-2 permits to use, in measuring, the dark strip lying between these two light strips, i.e. the principle of coinciding of strips remains the same at night as it is by day. 4) Field testing showed that the apparatus guarantees the required accuracy in measuring the lateral lengths of theodolite traverses at night, and that it is operated simply and reliably. 5) A drawback in night measurements is the uneconomical current supply required to illuminate the lath marks. The author

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Optical Measuring of Distances Under Night Conditions

SOV/154-58-6-5/22

obtained some measurement results from L. S. Tuchin, Diploma Candidate. There are 3 figures, 7 tables and 3 Soviet references.

ASSOCIATION: Moskovskiy institut inzhenerov geodezii, aerofotos"yemki i kartografii (Moscow Institute for Geodesy, Aerial Photography and Cartography Engineers)

SUBMITTED: June 3, 1958

Card 3/3

BOL'SHAKOV, V.D., kand. tekhn. nauk

Relation of the accuracy of earthwork computations to the length
of a side of the leveling net square. Trudy MIIGAIK no.32:9-14
'58. (MIRA 12:7)

1. Kafedra geodezii Moskovskogo instituta inzhenerov geodezii,
aerofotos"yemki i kartografii.
(Earthwork--Tables, calculations, etc.)
(Leveling)

BOL'SHAKOV, V.D., kand. tekhn. nauk

Relief generalization in large scale surveys (1:2000, 1:1000, 1:500).
Trudy MIIGAIAK no.33:27-40 '58. (MIRA 12:8)

1. Kafedra geodezii Moskovskogo instituta inzhenerov geodezii,
aerofotos"yemki i kartografii.
(Surveying)

BOL'SHAKOV, V., dots.

Errors in determining lunar cycles. Mor. flot 18 no.9:29 S '58.
(MIRA 11:10)

1.Odesskoye vyssheye inzhenernoye morskoye uchelishche.
(Moon--Tables)

ALBERT BACZ!

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Don't miss this

5/1 page

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AUTHOR:

Bol'shakov, V.D., Candidate of
Technical Sciences

67820

SOV/154-59-6-3/19

TITLE:

The Necessary Accuracy in Surveying the Relief of Areas for
Airfields

PERIODICAL:

Izvestiya vysshikh uchebnykh zavedeniy. [✓]Geodeziya i
aerofotos"yemka, 1959, Nr 6, pp 27-33 (USSR)

ABSTRACT:

The errors in the determination of the earthwork volume according to the surveying results are principally caused by relief surveying inaccuracies. By taking this into consideration and basing on the investigations of the actual relief surveying accuracy and the actual accuracy in the determination of the earthwork volume (published in the author's articles (Refs 2,3)), respective calculations are made here. The required accuracy in the relief surveying of airport areas is explained. The main factor determining the required accuracy in the survey of airport areas is the exact calculation of the earth grading work and the selection of areas suitable for airports. To obtain the given accuracy in the determination of the earthwork volume it is necessary to compute the required accuracy in relief surveying. The derived

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The Necessary Accuracy in Surveying the Relief of
Areas for Airfields

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formula (7) serves this purpose. This calculation is made for the case of the worst conditions with respect to the working indices, and for optimum conditions with respect to the area of land in which the earthwork is done simultaneously. It is shown that the most unfavorable conditions in the determination of the earthwork volume with given accuracy will be such in which the working indices amount to almost 0.15 m according to their absolute magnitude. These conditions are also the most unfavorable when trying to attain the required accuracy in the relief surveying operations. Formula (11) is derived. It may be observed therefrom that in the case of earthwork proceeding simultaneously over an area of about 16 hectares, the survey conducted with a root mean square error of $\leq \pm 0.08$ m secures the calculation of the earthwork volume with a root mean square relative error of $\pm 3\%$ (at the smallest working indices). The admissible extreme errors in the relief survey of airports are computed from formula (11), and the results are compiled in the table. When calculating the required accuracy of relief survey, the selection of an adequate vertical interval is very important. It is further shown that

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The Necessary Accuracy in Surveying the Relief of
Areas for Airfields

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when projecting the vertical grading of airports it is expedient
and even necessary to operate with vertical intervals of 0.50 m.
The paper by Academician A.N. Kostyakov (Ref 4) is mentioned.
There are 1 table and 5 references, 4 of which are Soviet.

ASSOCIATION: Moskovskiy institut inzhenerov geodezii, aerofotos"yemki i
kartografii (Moscow Institute of Geodetic, Aerial Survey and
Cartographic Engineers) 11

SUBMITTED: February 13, 1958

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3(2),3(4)
 AUTHOR:
 TITLE:
 Chromosome (Chromosom)
 PERIODICAL:
 Geodsiya i kartografiya, 1959, Nr 6, pp 74-75 (USUR)
 ABSTRACT:
 At the Moskovskiy institut isbraniyevykh resheniy...

At the Moskovskiy Institut Inzhenerov Geodazii, aerofotogrammetrii i kartografii (Moscow Institute of Geodesic, Aerial Survey and Cartography Engineers), the Ordinary Scientific Conference took place on April 22-24. A. I. Vinogradov, Docent, Candidate of Philosophic Sciences, spoke on "The Outstanding Work of Philosophic Sciences". A. P. Baranov, Chief of the Glavmerzhavkarta geodesic i kartografii (Main Administration of Geodesy and Cartography), spoke on the Seven-year Plan for the development of geodesy, aerofotogrammetrii i kartografii. The following reports were delivered in the geodesic section: A. M. Puzanov, Professor, "Some International Questions of Geodesy and Their Application to the Mechanism of Artificial Satellites of the Earth"; A. I. Kondrashev, Docent, "Radio-electronics and Geodesy"; G. V. Baranov, Docent, "Accuracy in the Solution of Inverse Position Computations by the Method of Least Squares"; A. I. Vinogradov, Docent, "Coordinates of Different Geodesic Systems"; P. P. Zakhurov, Assistant, reported on the first stage of development of "Gravity in the Present Stage of Development"; V. I. Kabanov, Assistant, reported on the first stage of rounding errors on the solution of linear equation systems; T. M. Dolzhenko, Candidate of Philosophic Sciences, spoke on the "Investigation of the Rules of Mathematical Sciences, Proceeding to Specializing the Rules of Mathematics"; M. M. Dvornikov, Professor, reported on the solution of linear systems for the adjustment of aerofotogrammetric networks; V. M. Korotkevich, Docent, demonstrated an apparatus designed by him for parallax; traveling with a short constant vertical basis. The following reports were delivered in the aerofotogrammetric section: A. G. Kuznetsov, Docent, reported on a parallax-reducing, an additional device to the stereo-camera; M. M. Zakharenko, Docent, spoke on the possibility of generalizing the aerofotogrammetric method to other altitudes; M. M. Rodionov, Docent, reported on the construction of a band-shaped aerial photogrammetric camera; A. M. Rodionov, Docent, reported on a stereoscopic collimator; eight, P. M. Rodionov, Engineer, reported on the construction of a computing device for the automatic entry of the airplane into the route for air surveys; P. P. Zakhurov, Assistant, presented some simplifications for the computation of constants of aerial cameras; P. P. Zakhurov, Post-graduate Student, spoke on the use of rapid film recording for the investigation of aerial-camera shutters; V. I. Grishin, Engineer of the Gostekhnika Gorkaya LENIN, spoke "On Some Results and Tasks in the Evolution of Large-scale Photocollotype Surveys". The following reports were delivered in the cartographic section: Professor V. I. Zakhovov, Docent, reported on the development of the cartographic method of the USSR; A. I. Prokhorov, Assistant, reported on "Material Resources of the USSR and Their Representation on Economic Maps"; G. S. Rudnikova, Assistant, reported on the method of geographic field research during the preparatory editorial work at the object of cartography; A. S. Tolmukhova, Assistant, reported on the improvement of relief representation of wooded flat country on the topographic map on a scale of 1:10,000; Yu. S. Eilikh, Assistant, reported on maps of apartment buildings in the course of the collection in the section of building of apartment houses; I. M. Zakharenko, Assistant, reported on reflecting the change of the level of the sea in the section of reflecting physical magnitudes; Engineer M. M. Kabanov on vertical aerial systems for highly accurate photographic measurements; Assistant, on sighting with telescopes with some plates; P. P. Zakhurov, Assistant, on the automation of the evaluation of image couples.

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Precise establishment of very long lines. Izv.vys. ucheb. zav.;
geod. i aerof. no.5:35-42 '60. (MIRA 13:12)

1. Moskovskiy institut inzhenerov geodezii, aerofotos'yemki i
kartografii.

(Route surveying)

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Investigating the patterns of error distribution in the relief
generalization of large-scale surveys. Izv. vys. ucheb. zav.;
geod. i aerof. no.4:19-27 '61. (MIRA 15:1)

1. Moskovskiy institut inzhenerov geodezii, aerofotos"yemki i
kartografii.

(Surveying) (Errors, Theory of)

BOL'SHAKOV, V.D., kand.tekhn.nauk; MIKHEYECHEV, V.S., kand.tekhn.nauk

Results of running polygonal traverses by the use of the DS-2
optical range finder. Izv. vys. ucheb. zav.; geod. i aerof.
no.4:29-37 '61. (MIRA 15:1)

1. Moskovskiy institut inzhenerov geodezii, aerofotos"yemki i
kartografii.

(Traverses (Surveying)) (Geodimeter)

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Indirect determination of clearances between electric transmission lines and different important intersecting structures. Trudy MIIGAIK no.44:77-79 '61. (MIRA 14:7)

1. Moskovskiy 'nstitut inzhenerov geodezii, aerofotos'yemki i kartografii, kafedra geodezii.
(Electric lines—Overhead)
(Surveying)

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Making the principal adjustment of dumpy level. Trudy
MIIGAIK no.44:81-83 '61. (MIRA 14:7)

1. Moskovskiy institut inzhenerov geodezii, aerofotos"yemki
i kartografii, kafedra geodezii.
(Level(Tool))

BOL'SHAKOV, V.D.; MIKHEYECHEV, V.S.; DEMUSHKIN, A.I.

Results of tests of the ST-61 topographic geodimeter. Geod. i kart.
no.5:17-21 My '62. (MIRA 15:7)
(Geodimeter)

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Determination of constants in empirical formulas by the logarithm correlations method. Trudy MIIGAIK no.49:3-10 '62. (MIRA 16:6)

1. Kafedra geodezii Moskovskogo instituta inzhenerov geodezii, aerofotos"yemki i kartografii.
(Mathematical statistics)